

Position Description

Power Plant Trainee – US Army Corps of Engineers

This is an entry level position into the first year (Part I) of the Power Plant Trainee Program. The first year (Part I) consists of generalized combined training in all three targeted occupations, including one year of rotational on-the-job training in the operation and maintenance of hydroelectric power plants plus the first year of instruction, tests, and assignments. The Training Program will consist of a combination of academic, plant equipment study, and on-the-job training.

MAJOR DUTIES

Serves as a Power Plant Trainee completing the generalized portion of the formal Hydroelectric Power Plant Personnel Training Program as prescribed by ER/EP 1130-2-510 for Part I; which precedes assignment to a specific target occupation (Power Plant Operator, Power Plant Electrician or Power Plant Mechanic) and further training in the assigned options as prescribed by Parts II, III and IV of the Training Program and local Power Plant Trainee Training Plan.

Part I, one year; grade T/C-B

Part II, one year; grade T/C-C

Part III, one year; grade T/C-E

Part IV, one year; grade T/C-G

Part V, full performance level; grade T/C-I

SKILLS AND KNOWLEDGE

Knowledge sufficient to pass entry level tests. Aptitude and interest for learning trade theory and practice, and ability to apply skills and knowledge learned. Ability to learn related aspects of computer technology. Elementary knowledge of math, algebra and geometry, and ability to make simple shop calculations. Knowledge to perform on-the-job learning tasks and pass associated tests. Ability to follow directions in a shop and use trade related guides such as: manufacturer catalogs, technical manuals, specifications, blueprints, etc. A valid state driver's license is required.

RESPONSIBILITY

Receives specific orientation, guidance and instructions on various aspects of hydroelectric power station operation and maintenance through rotational training in those craft specialties during the formal training program. Related and classroom study and on-the-job work assignments are closely coordinated to relate basic theories to practicable application of operation and maintenance activities of hydroelectric projects and are closely and critically reviewed to assure satisfactory performance necessary for continuance in the program. Responsible for meeting and maintaining standards of Federal employment in the classroom and

on-the-job performance and work conduct. Responsible for learning the study material and ability to do the work required in the trades without hazard to self or other workers. Responsible to comply with established safety standards and practices.

PHYSICAL EFFORT

Work requires extensive walking, standing, and climbing vertical and inclined ladders and stairs; and some stooping, bending, kneeling, and crawling. Work may be done in awkward and cramped positions which may require the physical endurance to work under poor conditions for prolonged periods of time. Requires lifting, carrying, pushing, pulling, and twisting objects frequently weighing up to and occasionally over 45 pounds. Required to operate large valves, apply servolocks, lift deck hatches, and perform other tasks requiring up to 75 pounds of pulling or turning force. Must have good distant vision in each eye and be able to read fine calibrations; glasses permitted. Ability to distinguish basic colors is required. Ability to hear the conversational voice, with or without a hearing aid, is required. An amputation of arm, hand, leg or foot will normally disqualify an applicant for appointment. Any physical condition which would cause the applicant to be a hazard to him/herself or to others is disqualifying.

WORKING CONDITIONS

The principal assignment is to the powerhouse; however the work area may include navigation lock, fish facilities, intake structures, and spillway areas. Work is principally indoors in a well heated, lighted and ventilated environment, but occasional outdoor work exposes employee to unusual climate extremes. Exposed to equipment and machinery noises, heights, oils, greases, confined areas, dust, dirt, water, heat and cold, odors, fumes, and moving and/or energized equipment. Occasionally works in proximity to high voltages and currents. Is subject to the discomfort of safety equipment required such as hard-hats and ear plugs. Must wear appropriate safety equipment and protective clothing, and successfully complete and maintain all occupational health requirements, including pulmonary capacity and other routine occupational and pre-employment medical examinations.